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DATE: 8/12/03

TO:

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NUMBER OF PAGES 3 INCLUDING COVER SHEET.

REMARKS: This is a new revised format for RCE amendment
Please follow this format to avoid a processing delay.
Thanks, Hien

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FROM : Synergistic Company
08/12/03 TUE 11:44 FAX 703300

PHONE NO. :
USPTO

Aug. 12 2003 11:38AM P2

002

Application number: 09/893,952
Application filed: June 28, 2001
Applicant: Charles Vann
Title: Orientation and Position Sensor
Examiner: Hien X. Vo

Date: July 28, 2003

4410
13/10
J. Steptoe
8-26-03

Supplemental Amendment.

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to Office communication mailed July 10, 2003. Please cancel claims 1-7 and add the following claims 8-13.

1.(canceled) A sensor for measuring position and orientation of an object, comprising:

a camera;

a lens;

00 FC: a first feature of an alignment target;

08/27/2003 TSTEPTOE 00000005 09893952

01 FC:2261 a second feature of an alignment target;

whereby the relative position and size of the first feature and second feature in the camera image are interpreted to measure up to three orthogonal positions and up to three orthogonal orientations of said alignment target with respect to said camera.